

Psychoneuroendocrinology

An International Journal

Editors-in-Chief

Robert Dantzer
INRA-INSERM
Bordeaux, France

Ned H. Kalin
University of Wisconsin
Medical School, Madison

LIST OF CONTENTS
AUTHOR INDEX
KEYWORD INDEX
Volume 22, 1997



Pergamon

Psychoneuroendocrinology

An International Journal

Editors-in-Chief

Robert Dantzer, PhD, DVM, INRA-INSERM, Bordeaux, France
Ned H. Kalin, MD, University of Wisconsin Medical School, Madison

Editorial Board

D. H. Abbott (*Madison, WI*)
E. Alleva (*Rome, Italy*)
B. Bohus (*Groningen, The Netherlands*)
R. de Kloet (*Leiden, The Netherlands*)
L. Dennerstein (*Carleton, Victoria, Australia*)
D. Evans (*Gainesville, FL*)
G. Fink, (*Edinburgh, UK*)
F. Holsboer (*Munich, Germany*)
T. Insel (*Atlanta, GA*)
B. Keverne (*Cambridge, UK*)
C. Kirschbaum (*Trier, Germany*)

A. B. Lawrence (*Edinburgh, UK*)
J. J. Legros (*Liège, Belgium*)
B. S. McEwen (*New York, NY*)
M. Mikuni (*Maebashi, Japan*)
P. Mormède (*Bordeaux, France*)
R. Murison (*Bergen, Norway*)
C. Nemeroff (*Atlanta, GA*)
R. Post (*Bethesda, MD*)
R. Sapolsky (*Stanford, CA*)
A. F. Schatzberg (*Stanford, CA*)
W. Vale (*San Diego, CA*)
S. Watson (*Ann Arbor, MI*)

Copyright © 1997 Elsevier Science Ltd

Editorial Offices: Dr. Robert Dantzer, Editor-in-Chief; Ms. Rose-Marie Bluthé, Editorial Assistant; INRA-INSERM U394, Rue Camille Saint-Saëns, 33077 Bordeaux Cedex, France. Telephone and Fax: 5 57 57 37 16; E-mail Address: Psychoneuroendocrinology@bordeaux.inserm.fr; Dr. Ned H. Kalin, Editor-in-Chief; Ms. Joyce Fasanella, Editorial Assistant; Department of Psychiatry, Suite 1224, University of Wisconsin Medical School, 6001 Research Park Boulevard, Madison, WI 53719, USA. Telephone: 608-263-6079; Fax: 608-263-9340.

Publishing Office: Elsevier Science Ltd, Bampfylde Street, Exeter EX1 2AH, UK. Telephone: (01392) 251558; Fax: (01392) 425370.

Advertising Office: Elsevier Science Ltd, The Boulevard, Langford Lane, Kidlington, Oxford OX5 1GB, UK.

Annual Institutional Subscription Rates 1997: Europe, The CIS and Japan NLG 1357. All other countries US\$838. Associated Personal Subscription Rates are available on request for those whose institutions are library subscribers. Dutch Guilder prices exclude VAT. Non-VAT registered customers in the European Community will be charged the appropriate VAT in addition to the price listed. Prices include postage and insurance and are subject to change without notice.

For orders, claims, product enquiries (no manuscript enquiries) please contact the Customer Support Department at the Regional Sales Office nearest to you:

The Americas: Elsevier Science Customer Support Department, P.O. Box 945, New York, NY 10010, USA [Tel: (+1) 212-633-3730 / 1-888 4ES-INFO. Fax: (+1) 212-633-3680. E-mail: usinfo-f@elsevier.com]. **Japan:** Elsevier Science Customer Support Department, 9-15 Higashi-Azabu 1-chome, Minato-ku, Tokyo 106, Japan [Tel: (+81) 3-5561-5033. Fax: (+81) 3-5561-5047. E-mail: info@elsevier.co.jp]. **Asia Pacific (excluding Japan):** Elsevier Science (Singapore) Pte Ltd, No. 1 Temasek Avenue, 17-01 Millenia Tower, Singapore 039192 [Tel: (+65) 434-3727. Fax: (+65) 337-2230. E-mail: asiainfo@elsevier.com.sg]. **Rest of the World:** Elsevier Science Customer Service Department, P.O. Box 211, 1001 AE Amsterdam, The Netherlands [Tel: (+31) 20-485-3757. Fax: (+31) 20-485-3432. E-mail: nlinfo-f@elsevier.nl].

Periodicals postage paid at Rahway, NJ. *Psychoneuroendocrinology* (ISSN 0306-4530) is published 8 issues per year in January, February, April, May, July, August, October and November, by Elsevier Science Ltd, The Boulevard, Langford Lane, Kidlington, Oxford OX5 1GB, UK. The annual subscription in the USA is \$838. *Psychoneuroendocrinology* is distributed by Mercury Airfreight International Ltd, 2323 Randolph Avenue, Avenel, NJ 07001-2413. Postmaster: please send address corrections to *Psychoneuroendocrinology*, c/o Elsevier Science RSO, Customer Support Department, 655 Avenue of the Americas, New York, NY 10010, USA [Tel: (+1) 212-633-3730/1-888 4ES-INFO. Fax: (+1) 212-633-3680. E-mail: usinfo-f@elsevier.com].



ContentsDirect delivers the table of contents of this journal, by e-mail, approximately two to four weeks prior to each issue's publication. To subscribe to this free service, complete and return the form at the back of this issue or send an e-mail message to csubs@elsevier.co.uk

LIST OF CONTENTS

VOLUME 22, 1997

VOLUME 22

NUMBER 1, 1997

CONTENTS

Articles

R.-M. BLUTHÉ, R. DANTZER and
K. W. KELLEY

H. EHRENREICH, K. TOM DIECK,
O. GEFELLER, S. KAW, L. SCHILLING,
W. POSER and E. RÜTHER

I. SUNDSTRÖM, D. ASHBROOK and
T. BÄCKSTRÖM

D. A. OREN, H. A. GIESEN and
T. A. WEHR

K. Y. LITTLE, J. RANC, J. GILMORE,
A. PATEL and T. B. CLARK

Referees

Information for Contributors

ISPNE Membership Form

1 Central mediation of the effects of interleukin-1 on social exploration and body weight in mice

13 Sustained elevation of vasopressin plasma levels in healthy young men, but not in abstinent alcoholics, upon expectation of novelty

25 Reduced benzodiazepine sensitivity in patients with premenstrual syndrome: a pilot study

39 Restoration of detectable melatonin after entrainment to a 24-hour schedule in a 'free-running' man

53 Lack of pineal β -adrenergic receptor alterations in suicide victims with major depression

65

I

IV

III

CONTENTS

Articles

M. MAES, I. DE MEESTER, R. VERKERK,
P. DE MEDTS, A. WAUTERS, G. VANHOOF,
E. VANDOOLAECH, H. NEELS and
S. SCHARPÉ

P. MONTELEONE, F. BORTOLOTTI,
C. ORAZZO, I. SERINO and M. MAJ

J. M. SMYTH, M. C. OCKENFELS,
A. A. GORIN, D. CATLEY,
L. S. PORTER, C. KIRSCHBAUM,
D. H. HELLHAMMER and A. A. STONE

P. HAUSER, R. SOLER, F. BRUCKER-DAVIS
and B. D. WEINTRAUB

L. WELLER and A. WELLER

65 Lower serum dipetidyl peptidase IV activity
in treatment resistant major depression:
relationships with immune-inflammatory
markers

79 Differences between morning and afternoon
hormonal responses to D-fenfluramine in
healthy humans

89 Individual differences in the diurnal cycle
of cortisol

107 Thyroid hormones correlate with symptoms
of hyperactivity but not inattention in
attention deficit hyperactivity disorder

115 Menstrual variability and the measurement
of menstrual synchrony

Information for Contributors

I

ISPNE Membership Form

IV

CONTENTS

Articles

L. L. DAVIS, M. TRIVEDI, A. CHOATE,
G. L. KRAMER and F. PETTY

129 Growth hormone response to the GABA_B
agonist baclofen in major depressive disorder

M. R. SIMAR, D. SAPHIER
and N. E. GOEDERS

P. MEERLO, G. J. F. OVERKAMP
and J. M. KOOLHAAS

J. A. POSENER, J. J. SCHILDKRAUT,
G. H. WILLIAMS and A. F. SCHATZBERG

M. E. SCHMIDT, R. C. RISINGER,
R. L. HAUGER, J. L. SCHOUTEN,
M. HENRY and W. Z. POTTER

J. E. ZWEIFEL and W. H. O'BRIEN

Announcement

Information for Contributors

ISPNE Membership Form

141 Dexamethasone suppression of the effects of cocaine on adrenocortical secretion in Lewis and Fischer rats

155 Behavioural and physiological consequences of a single social defeat in Roman high- and low-avoidance rats

169 Cortisol feedback effects on plasma corticotropin levels in healthy subjects

177 Responses to α_2 -adrenoceptor blockade by idazoxan in healthy male and female volunteers

189 A meta-analysis of the effect of hormone replacement therapy upon depressed mood

213

I

IV

VOLUME 22

NUMBER 4, 1997

CONTENTS

Articles

S. C. HEINRICHS, H. MIN, S. TAMRAZ,
M. CARMOUCHÉ, S. BOEHME and
W. W. VALE

J. GRIFFITHS, A. V. RAVINDRAN,
Z. MERALI and H. ANISMAN

N. E. GOEDERS

215 Anti-sexual and anxiogenic behavioral consequences of corticotropin-releasing factor overexpression are centrally mediated

225 Neuroendocrine measures and lymphocyte subsets in depressive illness: influence of a clinical interview concerning life experiences

237 A neuroendocrine role in cocaine reinforcement

T. G. DINAN, T. MAJEE, E. LAVELLE,
L. V. SCOTT, C. BERTI and P. BEHAN

T. SHIKIMI, T. INAGAKI, K. KAKU,
H. ISHINO, H. OKUNISHI and S. TAKAORI

C. R. K. MACLEAN, K. G. WALTON,
S. R. WENNEBERG, D. K. LEVITSKY,
J. P. MANDARINO, R. WAZIRI, S. L. HILLIS
and R. H. SCHNEIDER

Information for Contributors

261 Blunted serotonin-mediated activation of
the hypothalamic-pituitary-adrenal axis in
chronic fatigue syndrome

269 Nullification of a positive correlation
between urinary levels of α 1-microglobulin
and ulinastatin by 1-methyl-4-phenyl-1,2,
3,6-tetrahydropyridine (MPTP) in mice

277 Effects of the *transcendental meditation*
program on adaptive mechanisms: changes
in hormone levels and responses to stress
after 4 months of practice

I

ISPNE Membership Form

IV

VOLUME 22

NUMBER 5, 1997

CONTENTS

Articles

B. BUWALDA, S. F. DE BOER,
A. A. VAN KALKEREN and
J. M. KOOHLAAS

D. HINZE-SELCH, P. MÜLLER-PREUSS
and Y. ZHANG

W. E. SCHUTZER and C. L. BETHEA

S. MOTREJA, D. K. SUBBAKRISHNA,
M. N. SUBHASH, B. N. GANGADHAR,
N. JANAKIRAMAIAH and G. PARAMESHWARA

B. A. KALMAN, P. J. KIM, M. A. COLE,
M. S. CHI and R. L. SPENCER

297 Physiological and behavioral effects of
chronic intracerebroventricular infusion of
corticotropin-releasing factor in the rat

311 Cytokine secretion in squirrel monkeys

325 Lack of ovarian steroid hormone regulation
of norepinephrine transporter mRNA ex-
pression in the non-human primate locus
coeruleus

337 Gender but not stimulus parameters influ-
ence prolactin response to electroconvulsive
therapy

349 Diazepam attenuation of restraint stress-
induced corticosterone levels is enhanced by
prior exposure to repeated restraint

List of Contents

VII

H. A. G. BOSINSKI, M. PETER,
G. BONATZ, R. ARNDT, M. HEIDENREICH,
W. G. SIPPELL and R. WILLE

Book Reviews

I. HEUSER

R. DANTZER

R. DANTZER

R. DANTZER

361 A higher rate of hyperandrogenic disorders
in female-to-male transsexuals

381 W. P. Kaschka (Ed.). *Neurobiologische
Forschung und Psychiatrische Therapie*

382 A. S. Hamblin. *Cytokines and Cytokine
Receptors*

382 A. E. Hennenberg and W. P. Kaschka (Eds).
*Immunological Alterations in Psychiatric
Diseases, Advances in Biological Psychiatry*,
vol. 18

383 Ron Glaser and Janice Kiecolt-Glaser (Eds).
Handbook of Human Stress and Immunity

385 Erratum

Information for Contributors

I

ISPNE Membership Form

IV

VOLUME 22

NUMBER 6, 1997

CONTENTS

Articles

B. PERRAS, C. DROSTE, J. BORN,
H. L. FEHM and R. PIETROWSKY

M. MAES, D. HENDRIKS, A. VAN GASTEL,
P. DEMEDTS, A. WAUTERS, H. NEELS,
A. JANCA and S. SCHARPÉ

I. LIBERZON and E. A. YOUNG

387 Verbal memory after three months of intra-
nasal vasopressin in healthy old humans

397 Effects of psychological stress on serum
immunoglobulin, complement and acute
phase protein concentrations in normal
volunteers

411 Effects of stress and glucocorticoids on CNS
oxytocin receptor binding

G. SPANGLER

423 Psychological and physiological responses during an exam and their relation to personality characteristics

I. LIBERZON, M. KRSTOV and E. A. YOUNG

443 Stress—restress: effects on ACTH and fast feedback

*1996 Curt P. Richter Award*A. H. MILLER, R. L. SPENCER,
B. D. PEARCE, T. L. PISELL,
P. TANAPAT, J. J. LEUNG,
F. S. DHABHAR, B. S. MCEWEN
and C. A. BIRON

455 Effects of viral infection on corticosterone secretion and glucocorticoid receptor binding in immune tissues

Announcement

475

Information for Contributors

I

ISPNE Membership Form

IV

VOLUME 22

NUMBER 7, 1997

CONTENTS

*Articles*C. FERNANDES, C. R. MCKITTRICK,
S. E. FILE and B. S. MCEWEN477 Decreased 5-HT_{1A} and increased 5-HT_{2A} receptor binding after chronic corticosterone associated with a behavioural indication of depression but not anxietyM. DEUSCHLE, W. F. BLUM,
C. J. STRASBURGER, U. SCHWEIGER,
B. WEBER, A. KÖRNER, H. STANDHARDT,
U. GOTTHARDT, J. SCHMIDER,
C.-D. PFLAUM and I. HEUSER

493 Insulin-like growth factor-I (IGF-I) plasma concentrations are increased in depressed patients

S. A. BERENBAUM and S. M. RESNICK

505 Early androgen effects on aggression in children and adults with congenital adrenal hyperplasia

D. G. BAKER, S. A. WEST, D. N. ORTH,
 K. K. HILL, W. E. NICHOLSON,
 N. N. EKHATOR, A. B. BRUCE,
 M. D. WORTMAN, P. E. KECK and
 T. D. GERACIOTI, JR

R. VOLPI, P. CHIODERA, P. CAFFARRA,
 A. SCAGLIONI, A. SACCANI and V. COIRO

K. M. ABEL, V. O'KEANE,
 R. M. MURRAY and A. J. CLEARE

E. L. KLAIBER, D. M. BROVERMAN,
 W. VOGEL, L. G. PETERSON and
 M. B. SNYDER

Book Review
 E. E. WOLLMAN

Fellowship Announcement

517 Cerebrospinal fluid and plasma β -endorphin
 in combat veterans with post-traumatic
 stress disorder

531 Different control mechanisms of growth
 hormone (GH) secretion between γ -amino-
 and γ -hydroxy-butyric acid: neuroendocrine
 evidence in Parkinson's disease

539 Serotonergic function and negative and
 depressive symptomatology in schizophrenia
 and major depression

549 Relationships of serum estradiol levels,
 menopausal duration, and mood during
 hormonal replacement therapy

559 Vivien K. Burt and Victoria C. Hendrick.
 Concise Guide to Women's Mental Health

561

I

IV

VOLUME 22

NUMBER 8, 1997

CONTENTS

Articles

V. LEMAIRE, G. T. TAYLOR and
 P. MORMÈDE

A. H. STAURENGHI, R. G. MASERA,
 P. PROLO, G. GRIOT, M. L. SARTORI,
 L. RAVIZZA and A. ANGELI

563 Adrenal axis activation by chronic social
 stress fails to inhibit gonadal function in
 male rats

575 Hypothalamic-pituitary-adrenal axis func-
 tion, psychopathological traits, and Natural
 Killer (NK) cell activity in Anorexia Nervosa

E. ALLEVA, L. ALOE, F. CIRULLI,
L. DE ACETIS and C. PADOA SCHIOPPA

E. G. W. M. LENTJES, E. N. GRIEP,
J. W. BOERSMA, F. P. T. H. M. ROMIJN
and E. R. DE KLOET

J. C. PRUESSNER, J. GAAB,
D. H. HELLHAMMER, D. LINTZ,
N. SCHOMMER and C. KIRSCHBAUM

I. DEL RÍO-PORTILLA, E. UGALDE,
J. JUÁREZ, A. ROLDÁN and
M. CORSI-CABRERA

D. H. HELLHAMMER, J. BUCHTAL,
I. GUTBERLET and C. KIRSCHBAUM

Book Review

Y. TILLETT

Announcement

591 Postnatal NGF administration causes adult hyperalgesia and overreactivity to social stimuli but does not reverse capsaicin induced hypoalgesia

603 Glucocorticoid receptors, fibromyalgia and low back pain

615 Increasing correlations between personality traits and cortisol stress responses obtained by data aggregation

627 Sex differences in EEG in adult gonadectomized rats before and after hormonal treatment

643 Social hierarchy and adrenocortical stress reactivity in men

651 K. Maeda, H. Tsukamura and A. Yokoyama (Eds). *Neural Control of Reproduction, Physiology and Behavior*

Corrigendum

653

*List of Contents, Author Index and
Keyword Index for Volume 22, 1997*

I

Information for Contributors

XVII

ISPNE Membership Form

XX

